WHAT IS CLAIMED IS:

1. A method of fluid drop ejection, comprising:

providing a printhead including a fluid flow path in which fluid is pressurized to eject drops from a nozzle opening, the nozzle opening being disposed in a well,

supplying fluid to the well from the nozzle opening to form a meniscus, the meniscus defining a fluid depth above the edge of the nozzle opening equal to about 1 to 15% of the nozzle opening width with the well filled with fluid.

- 2. The method of claim 1 comprising forming the meniscus by controlling the pressure at the meniscus.
- 3. The method of claim 1, comprising forming the meniscus by reducing the pressure in the fluid.
- 4. The method of claim 3 comprising applying a vacuum at a location upstream of the nozzle opening.
- 5. The method of claim 3 wherein the vacuum at the nozzle opening is about 0.5 to 10 inwg.
- 6. The method of claim 1 wherein the ratio of the well width to the nozzle opening width is about 1.4 to about 2.8.
- 7. The method of claim 1 wherein the well has a depth of about 0.15 to 0.5 of the nozzle opening.
- 8. The method of claim 1 wherein the spacing between well perimeter and nozzle perimeter is about 0.2 or more of the nozzle width.

- 9. The method of claim 1 wherein the fluid has a surface tension of about 20-45 dynes/cm.
- 10. The method of claim 1 wherein the nozzle opening and the well are defined by a common body.
- 11. The method of claim 1 wherein the nozzle opening and/or the well are defined in silicon material.
- 12. The method of claim 1 wherein the nozzle and/or the well are defined in a metal.
- 13. The method of claim 1 wherein the nozzle and/or the well are defined in carbon.
- 14. The method of claim 1 wherein the nozzle and/or well are defined in a plastic.
- 15. The method of claim 1 wherein the fluid is pressurized by a piezoelectric element.
- 16. The method of claim 1 wherein the nozzle opening width is about 70 micron or less.
- 17. The method of claim 1 including a plurality of nozzle openings, the nozzle openings having a pitch of about 25 nozzles/inch or more.
- 18. The method of claim 1 including ejecting drops having a volume of about 1 to about 70 pL.

19. A drop ejector, comprising:

a flow path in which fluid is pressurized to eject drops from a nozzle opening, the nozzle opening being disposed in a well, the ratio of the well width to the nozzle opening width being about 1.4 to about 2.8.

- 20. The drop ejector of claim 19 wherein the well depth is about 0.15 to 0.5 of the nozzle opening width.
- 21. The drop ejector of claim 19 wherein the spacing between the well perimeter and nozzle perimeter is about 0.2 or more of the nozzle width.
- 22. The drop ejector of claim 19 including a pressure control that controls pressure through the nozzle opening to fluid in the well.
- 23. The drop ejector of claim 21 including a fluid reservoir arranged below the nozzle opening.
 - 24. The drop ejector of claim 21 including a fluid level monitor.
- 25. The drop ejector of claim 21 including a flow controller that maintains fluid level.
- 26. The drop ejector of claim 21 includes a vacuum source that comprises a mechanical vacuum, the mechanical vacuum arranged to reduce pressure in an ink reservoir.
- 27. The drop ejector of claim 20 includes a controller to maintain the fluid pressure at the meniscus in the range of about -0.5 to -10 inwg.
- 28. The drop ejector of claim 19 wherein the nozzle opening is centered in the well.

- 29. The drop ejector of claim 19 wherein the nozzle opening and well have a common geometry.
- 30. The drop ejector of claim 29 wherein the nozzle opening and well are circular.
- 31. The drop ejector of claim 19 wherein the nozzle opening and the well are defined by a common body.
 - 32. The drop ejector of claim 27 wherein the body is a silicon material.
- 33. The drop ejector of claim 18 wherein the fluid is pressurized by a piezoelectric element.
- 34. The drop ejector of claim 18 wherein the nozzle opening has a diameter of about 70 micron or less.
- 35. The drop ejector of claim 18 including a plurality of nozzle openings, the nozzle openings being a pitch of about 100 nozzles/inch or more.
 - 36. A drop ejector, comprising:
- a flow path in which fluid is pressured to eject drops from a nozzle opening, the nozzle opening being disposed in a well, the well having a relatively long axis and a short axis.
 - 37. The drop ejector of claim 34 wherein the well is an oval.